

Detailed list of STS-2 Generations

Whereas the mechanical part of the STS-2 seismometer never changed since 1990, the electronics part has been redesigned twice. There exist three different "electronic" generations which differ in the transfer function at frequencies above 10 Hz.

(For corresponding transfer function data and plots please consult "Pole-Zero Representation of the STS-2 Transfer Function from 0.001 to 100 Hz")

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1st generation items	Exceptions [(2) = 2nd, (3) = 3rd generation]:	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
19001 ... 19051	19002(2), 31(3), 09(3), 46(3)	04/90 ... 06/95					
19101 ... 19153	19105(3), 12(3), 25(3), 28(3), 31(3), 49(3), 53(3)						
99101 ... 99158	99103(3), 08(3), 21(3), 26(3)						
69201 ... 69255	69205(3), 11(3), 18(3)						Ca. mid 1992: Centering mass increased from 9 g to 20 g
39301 ... 39357	39326(3)						
89301 ... 89354	89340(2), 49(2)						
29401 ... 29455	29409(3), 31(2)						
99401 ... 99442	99420(2), 02(3), 06(3), 18(3), 19(3)						

2nd generation items	Exceptions (3rd generation):	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
99443 ... 99454		06/95 ... 02/98	99401 ... 48, 52 ... 54	99449 ... 99451			
49501 ... 49558			49501 ... 55, 57, 58				
119501 ... 119552			119501 ... 06, 11 ... 49, 52	119507 ... 119510	119550 ... 119551		Routine production of calibration sheets ("certificates of calibration") begun
109601 ... 109654			109603 ... 31, 36, 38, 39, 41 ... 54	109632 ... 35, 37, 40	109601 ... 109602		
49701 ... 49753	49740, 49750		49701 ... 16, 18 ... 29, 31, 40 ... 42, 50	49732 ... 39, 43 ... 49, 51 ... 53	49717, 49730		

3rd generation items	Type conversions	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
99701 ... 99753		02/98 ... 12/04	99701 ... 12, 40, 45 ... 53	99713 ... 39, 41 ... 44			Beginning "-30 °C proper function" tests on request

59801 ... 59853			59801 ... 32, 35 ... 44, 46, 47, 48 ... 50	59833, 34, 45, 48, 51 ... 53			
109801 ... 109852			109808 ... 30, 39, 42 ... 52	109801 ... 07, 31 ... 38, 40, 41			
39901 ... 39955			39901, 05 ... 08, 16, 33 ... 36	39902 ... 04, 09 ... 15, 17 ... 32, 37 ... 55			With s/n. 39907 (July 1999) routine evaluation and archivation of poles and zeroes begun
89901 ... 89954			89901 ... 04, 14, 23 ... 28, 31 ... 34, 39, 42, 44 ... 49, 53	89905 ... 13, 15 ... 22, 29, 30, 35 ... 38, 40, 41, 43, 50 ... 52, 54			
20001 ... 20053			20005, 07, 23, 35 ... 39, 50 ... 53	20001 ... 04, 06, 08 ... 22, 24 ... 34, 40 ... 49			
90001 ... 90052	High-Gain & Low-Power to Low- Power: 90009, 15, 29, 31, 33 ... 36, 38 ... 40		90001, 16 ... 28, 41 ... 46	90002 ... 15, 29, 31, 33 ... 40, 47 ... 52		90032	
110001 ... 110054			110008 ... 12, 15, 28 ... 30, 35, 41, 46	110001 ... 07, 13, 14, 16 ... 27, 31 ... 34, 36 ... 40, 43, 47 ... 54	110042, 44, 45		
60101 ... 60153			60109 ... 12, 14 ... 17, 20 ... 23, 34, 44, 46, 53	60101 ... 08, 18, 19, 24 ... 33, 38, 39, 45, 48 ... 52	60113, 37, 40 ... 43, 47	60135, 36	
100101 ... 100155			100119 ... 21, 27 ... 37, 47 ... 50	100101 ... 18, 22 ... 26, 38 ... 46, 51 ... 55			
30201 ... 30255			30222 ... 33, 36 ... 41	30201 ... 12, 14, 15	30220, 21, 34, 35	30213, 16 ... 19	
50201 ... 50255			50213 ... 21	50201 ... 12, 22 ... 54			
80201 ... 80254			80209, 44, 45	80201 ... 08, 10 ... 43, 46 ... 54			
120201 ... 120255			120208 ... 12, 18 ... 22, 26, 29 ... 31, 37 ... 50	120201 ... 07, 32 ... 36, 51 ... 55	120213 ... 16	120217, 23 ... 25, 27, 28	
40301 ... 40355			40304, 05, 07, 08, 10, 11, 13 ... 16, 35 ... 43, 48, 49, 55	40301 ... 03, 06, 09, 17 ... 34, 44 ... 47, 50 ... 54		40312	
90301 ... 90354			90305, 08, 10, 11 ... 29	90301, 02, 33, 36, 37, 39 ... 54		90303, 04, 06, 07, 30 ... 32, 34, 35, 38	s/n. 90309 discarded
10401 ... 10448			10410 ... 19	10401 ... 09, 20 ... 48			
20401 ... 20455				20401 ... 55			
80401 ... 80455			80417, 20 ... 27, 46 ... 51	80401 ... 16, 18, 19, 28 ... 45, 52 ... 55			
3rd generation items	Type conversions	Time interval of shipments (approx.)	Standard	Low-Power	High-Gain	High-Gain & Low Power	Remarks
110401 ...		12/04 ...					